



IFWO

RAW SEQUENCE LISTING DATE: 08/04/2004  
PATENT APPLICATION: US/10/814,160 TIME: 08:35:04

Input Set : N:\CrF3\RULE60\10814160.raw  
Output Set: N:\CRF4\08042004\J814160.raw

1 <110> APPLICANT: WALLACH, David  
2 SCHUCHMANN, Marcus  
3 GONCHAROV, Tanya  
4 <120> TITLE OF INVENTION: Caspase-8 Interacting Proteins  
5 <130> FILE REFERENCE: WALLACH=26  
6 <140> CURRENT APPLICATION NUMBER: US/10/814,160  
7 <141> CURRENT FILING DATE: 2004-04-01  
8 <150> PRIOR APPLICATION NUMBER: US/09/644,827  
9 <151> PRIOR FILING DATE: 2000-08-24  
10 <150> PRIOR APPLICATION NUMBER: 132105  
11 <151> PRIOR FILING DATE: 1999-09-28  
12 <150> PRIOR APPLICATION NUMBER: 127721  
13 <151> PRIOR FILING DATE: 1998-12-24  
14 <160> NUMBER OF SEQ ID NOS: 10  
15 <170> SOFTWARE: PatentIn Ver. 2.0  
16 <210> SEQ ID NO: 1  
17 <211> LENGTH: 447  
18 <212> TYPE: DNA  
19 <213> ORGANISM: Homo sapiens  
20 <400> SEQUENCE: 1  
21 cggcacgagg gcctgggcaa cggccggcac acgctgggac agcaggaagt ggaagtggac 60  
22 ggtctgacgg cctacgtggc aggtgagcgc cctgaccac tgggtcccag gtcccagccc 120  
23 gcatgccagg tggcccacga ccccccaga gcctgcctc tctgctctca aggccaccaag 180  
24 acgctgagtg gcagcatagc cccaatgaac gtctgtgtcc gggcacttcc tgcaggccac 240  
25 aggttcagca tgaagtccggc cttgaaggct gcattccttgc accccgcccc gttgctgggg 300  
26 ctggagaaga gtaaggggac cttgactttg gtgctgacgc agacttcgtg gtgctcgacg 360  
27 actcccttca cgtccaggcc acctacatct cgggtgagct ggtgtggcag gcggacgcag 420  
28 cttaggcagtg acaaggacct cggctga 447  
29  
30 <210> SEQ ID NO: 2  
31 <211> LENGTH: 148  
32 <212> TYPE: PRT  
33 <213> ORGANISM: Homo sapiens  
34 <400> SEQUENCE: 2  
35 Arg His Glu Gly Leu Gly Asn Gly Arg His Thr Leu Gly Gln Gln Glu  
36 1 5 10 15  
37 Val Glu Val Asp Gly Leu Thr Ala Tyr Val Ala Gly Glu Arg Pro Asp  
38 20 25 30  
39 Pro Leu Gly Pro Arg Ser Gln Pro Ala Cys Gln Val Ala His Asp Pro  
40 35 40 45  
41 Pro Arg Ala Cys Pro Leu Cys Ser Gln Gly Thr Lys Thr Leu Ser Gly  
42 50 55 60  
43 Ser Ile Ala Pro Met Asn Val Cys Val Arg Ala Leu Pro Ala Gly His  
44 65 70 75  
45 80

ENTER

**ENTERED**

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/814,160

DATE: 08/04/2004  
TIME: 08:35:04

Input Set : N:\Crf3\RULE60\10814160.raw  
Output Set: N:\CRF4\08042004\J814160.raw

46 Arg Phe Ser Met Lys Ser Ala Leu Lys Ala Ala Ser Leu His Pro Ala  
47 85 90 95  
48 Gln Leu Leu Gly Leu Glu Lys Ser Lys Gly Thr Leu Thr Leu Val Leu  
49 100 105 110  
50 Thr Gln Thr Ser Trp Cys Ser Thr Thr Pro Phe Thr Ser Arg Pro Pro  
51 115 120 125  
52 Thr Ser Arg Val Ser Trp Cys Gly Arg Arg Thr Gln Leu Gly Ser Asp  
53 130 135 140  
54 Lys Asp Leu Gly  
55 145  
57 <210> SEQ ID NO: 3  
58 <211> LENGTH: 1513  
59 <212> TYPE: DNA  
60 <213> ORGANISM: Homo sapiens  
61 <400> SEQUENCE: 3  
62 ggccggctc cgctctcgcc tggggttcgt cactgggcgc gggatttggc cgccgcgggg 60  
63 ctccggagcc gctcgctccc gacacggctc acgatgcgcg ggcacaggggc cggcgggggc 120  
64 cccgtgtcc agttcaactaa ctgcccggatc ctgcgcggag ggaaactgtc caggaggat 180  
65 ctgtgggtgc gcccggccg catcttggac ccagagaagc tggtctttga ggagcggcgc 240  
66 gtggccgacg agccggccggaa ctgcggggggc cgcacatctgg ctcccgatt catcgacgtg 300  
67 cagatcaacc gtggatttgg tggttacttc tctcaagcca cggaggacgt gggttcgggg 360  
68 gttgcctcg tggccggag gatcctgtcg cacggcgtca ctccttctg cccacccctg 420  
69 gtcacttccc caccggaggc ttatcacaag gttgttcctc agatccctgt gaagagtgg 480  
70 ggtcccccattt gggcagggtt cctcgggctg cacctggagg gccccttcat cagccggag 540  
71 aacccggggcg cgcacccca gcccacccctc cgcacatctgg aggccatgc cttccaggac 600  
72 ttgtggcca cctacggggcc cctggacaat gtccgcacatcg tgacgttggc cccagatgg 660  
73 ggcgttagcc acgaagtgtat cccggcgtc acggcccggt gcatctgtgt gtcccttaggg 720  
74 cactcagtgg ctgacccgtc ggcggcagag gatgtgtgt ggagcggagc cacccatcatc 780  
75 acccacctt tcaacccat gtcacccatc caccacccgt acccaggcat cgtggggctc 840  
76 ctgaccaggc accggctgccc cgcaggccgc tgcacatctt atggatgtat tgcaatggc 900  
77 acgcacacca accccggccgc ctcggatc gcccacccgt cccatccccca ggggtgggt 960  
78 ctgttcaccg atgcacatccc tgccttgggc ctggcaacg gcccggcacac gctggggacag 1020  
79 cagaaggatgg aagtggacgg ttcgtggcc tacgtggcag gtggcggccc tgaccactg 1080  
80 ggtcccggtt cccaggccgc atgcacatggc gcccacccgt cccatccatc ctgcacatctc 1140  
81 tgctctcaag gcaccaagac gtcgtgtggc agcatagccc caatgaacgt ctgtgtccgg 1200  
82 cacttcctgc aggccacagg ctgcacatc gatgtggccc tggaggctgc atccatgcac 1260  
83 cccggccatgt tgctggggct ggagaagagt aaggggaccc tggactttgg tgctgacgca 1320  
84 gacttcgtgg tgctcgtggc ctcccttcac gtcggccacca ctcacatctc ggggtggctg 1380  
85 gtgtggcagg cggacgcagc taggcagtga caaggaccc ggtgtggagg acacccggcc 1440  
86 gcagcggat gccatcaggc cccgggtt gggagctgg ttcggggaa gtggatcg 1500  
87 agccctgtcg gat 1513  
89 <210> SEQ ID NO: 4  
90 <211> LENGTH: 469  
91 <212> TYPE: PRT  
92 <213> ORGANISM: Homo sapiens  
93 <400> SEQUENCE: 4  
94 Gly Ala Ala Pro Leu Ser Ala Gly Val Arg His Trp Ala Arg Asp Leu  
95 1 5 10 15  
96 Ala Ala Ala Gly Leu Arg Ser Arg Ser Leu Pro Thr Arg Leu Thr Met

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/814,160

DATE: 08/04/2004  
TIME: 08:35:04

Input Set : N:\Crf3\RULE60\10814160.raw  
Output Set: N:\CRF4\08042004\J814160.raw

97 20 25 30  
 98 Arg Gly Asp Arg Ala Gly Gly Pro Val Leu Gln Phe Thr Asn Cys  
 99 35 40 45  
 100 Arg Ile Leu Arg Gly Gly Lys Leu Leu Arg Glu Asp Leu Trp Val Arg  
 101 50 55 60  
 102 Gly Gly Arg Ile Leu Asp Pro Glu Lys Leu Phe Phe Glu Glu Arg Arg  
 103 65 70 75 80  
 104 Val Ala Asp Glu Arg Arg Asp Cys Gly Gly Arg Ile Leu Ala Pro Gly  
 105 85 90 95  
 106 Phe Ile Asp Val Gln Ile Asn Arg Gly Phe Gly Val Asp Phe Ser Gln  
 107 100 105 110  
 108 Ala Thr Glu Asp Val Gly Ser Gly Val Ala Leu Val Ala Arg Arg Ile  
 109 115 120 125  
 110 Leu Ser His Gly Val Thr Ser Phe Cys Pro Thr Leu Val Thr Ser Pro  
 111 130 135 140  
 112 Pro Glu Ala Tyr His Lys Val Val Pro Gln Ile Pro Val Lys Ser Gly  
 113 145 150 155 160  
 114 Gly Pro His Gly Ala Gly Val Leu Gly Leu His Leu Glu Gly Pro Phe  
 115 165 170 175  
 116 Ile Ser Arg Glu Lys Arg Gly Ala His Pro Glu Ala His Leu Arg Ser  
 117 180 185 190  
 118 Phe Glu Ala Asp Ala Phe Gln Asp Leu Leu Ala Thr Tyr Gly Pro Leu  
 119 195 200 205  
 120 Asp Asn Val Arg Ile Val Thr Leu Ala Pro Glu Leu Gly Arg Ser His  
 121 210 215 220  
 122 Glu Val Ile Arg Ala Leu Thr Ala Arg Gly Ile Cys Val Ser Leu Gly  
 123 225 230 235 240  
 124 His Ser Val Ala Asp Leu Arg Ala Ala Glu Asp Ala Val Trp Ser Gly  
 125 245 250 255  
 126 Ala Thr Phe Ile Thr His Leu Phe Asn Ala Met Leu Pro Phe His His  
 127 260 265 270  
 128 Arg Asp Pro Gly Ile Val Gly Leu Leu Thr Ser Asp Arg Leu Pro Ala  
 129 275 280 285  
 130 Gly Arg Cys Ile Phe Tyr Gly Met Ile Ala Asp Gly Thr His Thr Asn  
 131 290 295 300  
 132 Pro Ala Ala Leu Arg Ile Ala His Arg Ala His Pro Gln Gly Leu Val  
 133 305 310 315 320  
 134 Leu Val Thr Asp Ala Ile Pro Ala Leu Gly Leu Gly Asn Gly Arg His  
 135 325 330 335  
 136 Thr Leu Gly Gln Gln Glu Val Glu Val Asp Gly Leu Thr Ala Tyr Val  
 137 340 345 350  
 138 Ala Gly Glu Arg Pro Asp Pro Leu Gly Pro Arg Ser Gln Pro Ala Cys  
 139 355 360 365  
 140 Gln Val Ala His Asp Pro Pro Arg Ala Cys Pro Leu Cys Ser Gln Gly  
 141 370 375 380  
 142 Thr Lys Thr Leu Ser Gly Ser Ile Ala Pro Met Asn Val Cys Val Arg  
 143 385 390 395 400  
 144 His Phe Leu Gln Ala Thr Gly Cys Ser Met Glu Ser Ala Leu Glu Ala  
 145 405 410 415

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/814,160

DATE: 08/04/2004  
TIME: 08:35:04

Input Set : N:\CrF3\RULE60\10814160.raw  
Output Set: N:\CRF4\08042004\J814160.raw

146 Ala Ser Leu His Pro Ala Gln Leu Leu Gly Leu Glu Lys Ser Lys Gly  
147 420 425 430  
148 Thr Leu Asp Phe Gly Ala Asp Ala Asp Phe Val Val Leu Asp Asp Ser  
149 435 440 445  
150 Leu His Val Gln Ala Thr Tyr Ile Ser Gly Glu Leu Val Trp Gln Ala  
151 450 455 460  
152 Asp Ala Ala Arg Gln  
154 <210> SEQ ID NO: 5  
155 <211> LENGTH: 1725  
156 <212> TYPE: DNA  
157 <213> ORGANISM: Homo sapiens  
158 <400> SEQUENCE: 5  
159 gggcggctca aaactcacgt ccaggtgatc aagaggtcag ccaagccgag tgagaagccc 60  
160 cggtcgccgc agataccctc ggctgaagac ctggagacag atggcggggg accggggccag 120  
161 gtgggtggacg atggccttggaa gcacaggag ctggggcatg ggcagcctga ggcagcggc 180  
162 cccgctccctc tccagcagca ccctcagggtt ttgctctggg aacagcagcg actggctggg 240  
163 cggtcccccc ggggcagcac cggggacact gtgctgcttc ctctggccca ggggtgggcac 300  
164 cggcctctgtt cccggctca gtcttccccca gccgcacctg cctcaactgtc agccccagag 360  
165 cctggccagcc agggccgagt cctctccagc tcagagaccc ctggcaggac cctggccctc 420  
166 accacagggc tgatctatga ctgggtcatg ctgaagcacc agtgctctg cggtgacaac 480  
167 agcaggcacc cggagcacgc cggccgcac cagagcatct ggtcccgct gcaggagcgg 540  
168 gggctccggaa gccagtgtga gtgtctccga ggccggaaagg cctcccttggaa agagctgcag 600  
169 tcggtccact ctgagccggca cgtgctccctc tacggcacca acccgctcag cccgcctcaaa 660  
170 ctggacaacg ggaagctggc agggctccctg gcacagcggta tggttgtat gctggccctgt 720  
171 ggtgggggttg gggtgacac tgacaccatc tggaaatggac ttcatccctc caatgcagcc 780  
172 cgctggcccg ctggcagtgt cactgaccc gccttcaaag tggcttctcg tgagctaaag 840  
173 aatggtttcg ctgtgggtcg gccccccagga caccatgcag atcattcaac agccatggc 900  
174 ttctgtttctc tcaactcagt ggcacatcgcc tgccggcagc tgcaacagca gagcaaggcc 960  
175 agcaagatcc tcattttaga ctgggacgtg caccatggca acggcacccca gcaaaccttc 1020  
176 taccaagacc ccagtgtgt ctacatctcc ctgcacatcgcc atgacgcacgg caacttcttc 1080  
177 ccagggagtg gggctgtggaa tgaggttaggg gctggcagcg gtgagggctt caatgtcaat 1140  
178 gtggcctggg ctggaggtct ggacccccc atgggggatc ctgagttaccc ggtgtctttc 1200  
179 agatagtcg tgatccccat cggccggagag ttctctccag acctagtcc ggtgtctgt 1260  
180 ggatttgatg ctgctgaggg tcaacccggcc ccactgggtg gctaccatgt ttctgccaaa 1320  
181 tggtttggat acatgacgca gcaactgtg aacctggcag gagggcgcgt ggtgctggcc 1380  
182 ttggaggggtg gccatgaccc cacagccatc tggacgcctt ctgaggcctt gttggctgt 1440  
183 ctctctggta acaggggtggaa tcccccttca gaagaaggct ggaaacagaa acccaaccc 1500  
184 aattccatcc gctctctggaa ggccgtgatc cgggtgcaca gtaaataactg gggctgcattg 1560  
185 cagccctgg cctccctgtcc agactcctgg tgcccttagag tgccaggggc tgacaaagaa 1620  
186 gaagtggagg cagtaaccgc actggcgatcc ctctctgtgg gcatcctggc tgaagatagg 1680  
187 ccctcgaggc agctgggtggaa ggaggaagaa cctatgaatc tctaa 1725  
189 <210> SEQ ID NO: 6  
190 <211> LENGTH: 574  
191 <212> TYPE: PRT  
192 <213> ORGANISM: Homo sapiens  
193 <400> SEQUENCE: 6  
194 Glu Gln Leu Lys Thr His Val Gln Val Ile Lys Arg Ser Ala Lys Pro  
195 1 5 10 15  
196 Ser Glu Lys Pro Arg Leu Arg Gln Ile Pro Ser Ala Glu Asp Leu Glu

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/814,160

DATE: 08/04/2004  
TIME: 08:35:04

Input Set : N:\CrF3\RULE60\10814160.raw  
Output Set: N:\CRF4\08042004\J814160.raw

| 197 | 20  | 25  | 30  |     |
|-----|---|-----|-----|-----|
| 198 | Thr Asp Gly Gly Gly Pro Gly Gln Val Val Asp Asp Gly Leu Glu His |     |     |     |
| 199 | 35  | 40  | 45  |     |
| 200 | Arg Glu Leu Gly His Gly Gln Pro Glu Ala Arg Gly Pro Ala Pro Leu |     |     |     |
| 201 | 50  | 55  | 60  |     |
| 202 | Gln Gln His Pro Gln Val Leu Leu Trp Glu Gln Gln Arg Leu Ala Gly |     |     |     |
| 203 | 65  | 70  | 75  | 80  |
| 204 | Arg Leu Pro Arg Gly Ser Thr Gly Asp Thr Val Leu Leu Pro Leu Ala |     |     |     |
| 205 | 85  | 90  | 95  |     |
| 206 | Gln Gly Gly His Arg Pro Leu Ser Arg Ala Gln Ser Ser Pro Ala Ala |     |     |     |
| 207 | 100   | 105 | 110 |     |
| 208 | Pro Ala Ser Leu Ser Ala Pro Glu Pro Ala Ser Gln Ala Arg Val Leu |     |     |     |
| 209 | 115   | 120 | 125 |     |
| 210 | Ser Ser Ser Glu Thr Pro Ala Arg Thr Leu Pro Phe Thr Thr Gly Leu |     |     |     |
| 211 | 130   | 135 | 140 |     |
| 212 | Ile Tyr Asp Ser Val Met Leu Lys His Gln Cys Ser Cys Gly Asp Asn |     |     |     |
| 213 | 145   | 150 | 155 | 160 |
| 214 | Ser Arg His Pro Glu His Ala Gly Arg Ile Gln Ser Ile Trp Ser Arg |     |     |     |
| 215 | 165   | 170 | 175 |     |
| 216 | Leu Gln Glu Arg Gly Leu Arg Ser Gln Cys Glu Cys Leu Arg Gly Arg |     |     |     |
| 217 | 180   | 185 | 190 |     |
| 218 | Lys Ala Ser Leu Glu Glu Leu Gln Ser Val His Ser Glu Arg His Val |     |     |     |
| 219 | 195   | 200 | 205 |     |
| 220 | Leu Leu Tyr Gly Thr Asn Pro Leu Ser Arg Leu Lys Leu Asp Asn Gly |     |     |     |
| 221 | 210   | 215 | 220 |     |
| 222 | Lys Leu Ala Gly Leu Leu Ala Gln Arg Met Phe Val Met Leu Pro Cys |     |     |     |
| 223 | 225   | 230 | 235 | 240 |
| 224 | Gly Gly Val Gly Val Asp Thr Asp Thr Ile Trp Asn Glu Leu His Ser |     |     |     |
| 225 | 245   | 250 | 255 |     |
| 226 | Ser Asn Ala Ala Arg Trp Ala Ala Gly Ser Val Thr Asp Leu Ala Phe |     |     |     |
| 227 | 260   | 265 | 270 |     |
| 228 | Lys Val Ala Ser Arg Glu Leu Lys Asn Gly Phe Ala Val Val Arg Pro |     |     |     |
| 229 | 275   | 280 | 285 |     |
| 230 | Pro Gly His His Ala Asp His Ser Thr Ala Met Gly Phe Cys Phe Phe |     |     |     |
| 231 | 290   | 295 | 300 |     |
| 232 | Asn Ser Val Ala Ile Ala Cys Arg Gln Leu Gln Gln Gln Ser Lys Ala |     |     |     |
| 233 | 305   | 310 | 315 | 320 |
| 234 | Ser Lys Ile Leu Ile Val Asp Trp Asp Val His His Gly Asn Gly Thr |     |     |     |
| 235 | 325   | 330 | 335 |     |
| 236 | Gln Gln Thr Phe Tyr Gln Asp Pro Ser Val Leu Tyr Ile Ser Leu His |     |     |     |
| 237 | 340   | 345 | 350 |     |
| 238 | Arg His Asp Asp Gly Asn Phe Phe Pro Gly Ser Gly Ala Val Asp Glu |     |     |     |
| 239 | 355   | 360 | 365 |     |
| 240 | Val Gly Ala Gly Ser Gly Glu Gly Phe Asn Val Asn Val Ala Trp Ala |     |     |     |
| 241 | 370   | 375 | 380 |     |
| 242 | Gly Gly Leu Asp Pro Pro Met Gly Asp Pro Glu Tyr Leu Ala Ala Phe |     |     |     |
| 243 | 385   | 390 | 395 | 400 |
| 244 | Arg Ile Val Val Met Pro Ile Ala Arg Glu Phe Ser Pro Asp Leu Val |     |     |     |
| 245 | 405   | 410 | 415 |     |

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 08/04/2004  
PATENT APPLICATION: US/10/814,160                   TIME: 08:35:05

Input Set : N:\Crf3\RULE60\10814160.raw  
Output Set: N:\CRF4\08042004\J814160.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:10

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/814,160

DATE: 08/04/2004

TIME: 08:35:05

Input Set : N:\Crf3\RULE60\10814160.raw  
Output Set: N:\CRF4\08042004\J814160.raw